

Preparation of supported cocatalysts

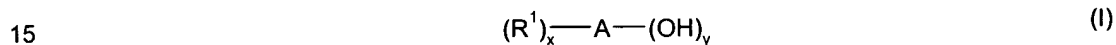
Abstract

5 The present invention relates to a process for preparing a supported cocatalyst for olefin polymerization, which comprises reacting

A) a support bearing functional groups,

10 B) triethylaluminum and

C) a compound of the formula (I),



where

A is an atom of group 13 or 15 of the Periodic Table,

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R^1 are identical or different and are each, independently of one another, hydrogen, halogen, C_1 - C_{20} -alkyl, C_1 - C_{20} -haloalkyl, C_1 - C_{10} -alkoxy, C_6 - C_{20} -aryl, C_6 - C_{20} -haloaryl, C_6 - C_{20} -aryloxy, C_7 - C_{40} -arylalkyl, C_7 - C_{40} -haloarylalkyl, C_7 - C_{40} -alkylaryl, C_7 - C_{40} -haloalkylaryl or an $OSiR_3^2$ group, where

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R^2 are identical or different and are each hydrogen, halogen, C_1 - C_{20} -alkyl, C_1 - C_{20} -haloalkyl, C_1 - C_{10} -alkoxy, C_6 - C_{20} -aryl, C_6 - C_{20} -haloaryl, C_6 - C_{20} -aryloxy, C_7 - C_{40} -arylalkyl, C_7 - C_{40} -haloarylalkyl, C_7 - C_{40} -alkylaryl or C_7 - C_{40} -haloalkylaryl,

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y is 1 or 2 and

x is 3 minus y.

In addition, the invention relates to supported cocatalysts obtainable by such a process, to the
35 use of the supported cocatalysts for preparing a catalyst system for the polymerization of olefins, to catalyst systems for the polymerization of olefins obtainable from the supported cocatalysts and to a process for the polymerization of olefins in which these catalyst solids are used.

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